

Work Order ID 98016

Friday, March 01, 2013 3:05:11 PM

98016

Page 1

Item ID: D412-704-045 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Cable Assembly (212/214/412)
 Start Date: 3/1/2013 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 3/8/2013 Req'd Qty: 1.00 ***1*** Customer:
 Reference: REWORK PER ECN 12-545

Approvals: Process Plan: *MF* Date: *10-3-1* Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|--------------|--------------|
| DSI9611 | A |
| IIN D412-704 | C |

140 0.00

140

QC
Quality Control

Memo 0.00

REMOVE D412-704-045 X 1 B79101
FROM RA 111486

KIT NEEDS TO BE REWORKED PER ECN 12-545/583
(DSI 9611-011)

DAS 16 13 103/1

150 0.00

150

Small Fab
Small Fab

Memo 0.00

REMOVE AND SCRAP D3257 X 1, AN3-13A X 1

REPLACE WITH NEW D3257-1X 1 B# *85060* AND AN3-10A X 1
B# *122800*

PER ECN 12-545 AND DSI 9611-011

BSB

FF 13-05-13

Work Order ID 98016***98016***

Page 2

Friday, March 01, 2013 3:05:11 PM

Item ID: D412-704-045

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cable Assembly (212/214/412)

Start Date: 3/1/2013 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/8/2013 Req'd Qty: 1.00

1

Customer:

Reference: REWORK PER ECN 12-545

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC4- 100% Inspect kits for completeness

0.00

160

QC

Memo

0.00

Quality Control

170

Identify as per dwg & Stock Location

0.00

170

Packaging

Memo

0.00

Packaging

180

QC21- Final Inspection - Work Order Release

0.00

180

QC

Memo

0.00

Quality Control

5mls
13.5-13

A

SP
13-5-13

13/5/13

MCS 13-05-13

Picklist Print

Friday, March 01, 2013 3:05:10 PM

Page 1

Work Order ID: 98016

Parent Item: D412-704-045

Parent Item Name: Cable Assembly (212/214/412)

Start Date: 3/1/2013

Required Date: 3/8/2013

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:B05.01.28 Added Figures 1-2KJ/RF

IPP Rev:C 08-10-08 as per revB DD verified by:EC

IPP REV:D 12.05.10 per DSI

9611 DD verf:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| AN3-10A Bolt | | Purchased | No | | | | Each | 207.0000 | | 1 | | | |

FF 13-05-13

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| GA | 37 | |
| 122800 | 37 | |
| ST351 | 82 | |
| 124221 | 82 | |
| ST512 | 88 | |
| 122800 | 88 | |

D3257-1

Fitting

Manufactured

No

Each 12.0000

1

FF 13-05-13

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST036 | 12 | |
| 76164 | 2 | |
| 85868 | 10 | |

D412-704-045

Cable Assembly (212/214/412)

Manufactured

No

Each 2.0000

1

FF 13-05-13

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST223 | 2 | |
| 79101 | 1 | |
| 97142 | 1 | |
| 97537 | 1 | |

DART SERVICE INSTRUCTION

TO AMEND IIN-D412-704 REV. C OR EARLIER
AND ICA-D412-704 REV. 4 OR EARLIER

REF CANADIAN STC SH93-34

REF FAA STC SR00957NY

REF EASA STC EASA.IM.R.00696

PURPOSE

The purpose of this Dart Service Instruction is to correct part number error in Installations Instruction IIN-D412-704 Rev. C or earlier and Instructions for Continued Airworthiness ICA-D412-704 Rev. 4 or earlier. The AN3-13A bolt should be replaced with an AN3-10A bolt in Figure 5 - Detail L in IIN-D412-704 and Figure 25-4 Detail L in ICA-D412-704. See sheet 2.

PART LIST CORRECTION

Revise Part Lists in IIN-D412-704 & ICA-D412-704 as follows:

NOW

| Qty -043 | Qty -045 | Part Number | Description |
|-------------|-------------|--------------|----------------------------------|
| X | | D205-704-043 | CABLE ASSEMBLY (205) |
| | X | D412-704-045 | CABLE ASSEMBLY (210/212/214/412) |
| 1 | 1 | AN3-10A | BOLT |

WAS




| Qty -043 | Qty -045 | Part Number | Description |
|-------------|-------------|--------------|----------------------------------|
| X | | D205-704-043 | CABLE ASSEMBLY (205) |
| | X | D412-704-045 | CABLE ASSEMBLY (210/212/214/412) |
| 1 | 1 | AN3-13A | BOLT |

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 12.05.07
CERT. NO.: SH93-34
ISSUE NO.: 2

| | | | |
|------------|---|---|--------------|
| A | NEW ISSUE (REF PAR | RF | 12.05.07 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | RF | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | RF | | |
| CHECKED |  | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9611 | SHEET 1 OF 2 |
| APPROVED |  | TITLE | SCALE |
| DE APPR. |  | PART NUMBER CORRECTION NTS | |
| DATE | 12.05.07 | COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD | |

ENGINEERING CHANGE NOTICE **DART AEROSPACE LTD**

| | | | | |
|--|----------|--------------------------------|---------------------------------|----------------|
| Date: 12.05.07 | Job No.: | ADR Yes/No: N | ADR Date: | ECN #: 12- 583 |
| Product No.: D412-704 | | Created By: RF | Approved By: <i>[Signature]</i> | |
| Product Name: Copilot's Emergency Cargo Release Kits | | Checked By: <i>[Signature]</i> | | |

| Distribution | Reqd | Resp | Initial / Date |
|-------------------------------|------|-------|----------------|
| Production Manager / Coord. | Y | LL/MP | MC 12-05-09 |
| Purchasing Coord. | Y | CL | 12/10/05/10 |
| Production Engineering Coord. | Y | EC/DD | 12.05.09 |
| | | | |

| Distribution | Reqd | Resp | Initial / Date |
|----------------------------|------|-------|----------------|
| DQA / QA Coord. | N | | |
| QC Coordinator | N | | |
| Customer Technical Support | Y | MB/DS | 12.05.09 |
| Marketing | Y | SW | SW 12-05-09 |
| Customer Order Processing | N | | |

Reason for Change: Revise Drawing per PAR12-162 feedback
Product Improvement

Documents Affected:

MDL-D412-704 Rev. B
DSI 9611 Rev. A
D3207 Rev. C

PARTS MUST COMPLY



PREVIOUS PARTS SATISFACTORY



| # | Quality Assurance Actions | Reqd | Resp | Notes | Complete |
|---|---------------------------|------|------|-------|----------|
| 1 | Notify Previous Customers | N | | | |
| 2 | Notify Eurocopter France | N | | | |
| 3 | | | | | |

| # | Engineering Actions | Reqd | Resp | Notes | Complete |
|---|--|------|------|---------------------|----------|
| 4 | Required Documents/Drawings Under Review | N | | | |
| 5 | Update Master Document List (MDL) | Y | RF | MDL-D412-704 Rev. B | 12.05.09 |
| 6 | Update Product Compatability Matrix | N | | | |
| 7 | Create Eurocopter Form (FEE) | N | | | |
| 8 | Notify TC / FAA of Change | N | | | |
| 9 | | | | | |

| # | Document Control Actions | Reqd | Resp | Notes | Complete |
|----|---|------|------|-----------|----------|
| 10 | Move Electronic Files/Design Journal | Y | KJ | | 12.05.09 |
| 11 | Update Product Specification Files | Y | KJ | | 12.05.09 |
| 12 | Update Approved/Preliminary Dwg PDF Files | Y | KJ | | 12.05.09 |
| 13 | Update Document Record (DR) | N | | | |
| 14 | Update Product Development Summary | N | | | |
| 15 | Update QSI 021 and/or STC Approval List | N | | | |
| 16 | Update Parts / STC Database | N | | | |
| 17 | Update / Verify ARC Database | N | | | |
| 18 | Create / Update Change Record Form / Item Card Database | Y | KJ | See below | 12.05.09 |
| 19 | Create / Update PPP's | Y | KJ | | 12.05.09 |
| 20 | Red Decals required? | N | | | |
| 21 | Update Document Control Database / Laminated Dwgs | N | | | |
| 22 | Update Grey Project / Electronic Binder PDF Files | Y | KJ | | 12.05.09 |
| 23 | Update D-Part/M-Drawing/DSI/DEO Master Binders | Y | KJ | | 12.05.09 |
| 24 | | | | | |

Description / Action:

Update BOM/routing for D3207 Rev. C
Drawing was updated to correct D3207-1F flat pattern . Dxf file was correct so D3207-1F made from existing Dxf file are OK.
Update BOM/routing for D412-704-043/-045 per DSI 9611 Rev. A
D412-704-011 @ CHG 003; -013 @ CHG 003; D412-704-015 @ CHG 002
Open D412-704-011/-013/-015 in stock replace AN3-13A with AN3-10A bolt per DSI 9611 Rev. A and update CHG # labels and red decals.

ECN Verified & Complete: *[Signature]*

Date: 12/5/25

ENGINEERING CHANGE NOTICE **DART AEROSPACE LTD**

| | | | | |
|--|-----------------|--------------------------------|---------------------------------|----------------|
| Date: 12.03.10 | Job No.: RD3405 | ADR Yes/No: Y | ADR Date: 12.03.10 | ECN #: 12- 545 |
| Product No.: D412-704 | | Created By: RF | Approved By: <i>[Signature]</i> | |
| Product Name: Copilot's Emergency Cargo Release Kits | | Checked By: <i>[Signature]</i> | | |

| Distribution | Reqd | Resp | Initial / Date |
|-------------------------------|------|-------|--------------------|
| Production Manager / Coord. | Y | LL/MP | <i>MP 12-03-22</i> |
| Purchasing Coord. | Y | CL | <i>CL 12/03/22</i> |
| Production Engineering Coord. | Y | EC/DD | <i>EC 12.03.26</i> |
| | | | |
| | | | |

| Distribution | Reqd | Resp | Initial / Date |
|----------------------------|------|-------|--------------------|
| DQA / QA Coord. | N | | |
| QC Coordinator | N | | |
| Customer Technical Support | Y | MB/DS | <i>MB 12.03.22</i> |
| Marketing | N | | |
| Customer Order Processing | N | | |

Reason for Change: Revise Drawing per PAR12-162 feedback.
Product Improvement

Documents Affected:

| | | |
|---------------------|---------------------|-----------------------------|
| D412-704-041 Rev. B | D412-704-141 Rev. A | IIN-D412-704 Rev. C (DRAFT) |
| D3205 Rev. B | D3207 Rev. B | |
| D3208 Rev. B | D3257 Rev. B | |
| D4610 Rev. A | D4611 Rev. A | |

PARTS MUST COMPLY ☐ **PREVIOUS PARTS SATISFACTORY** ☒

| # | Quality Assurance Actions | Reqd | Resp | Notes | Complete |
|---|---------------------------|------|------|-------|----------|
| 1 | Notify Previous Customers | N | | | |
| 2 | Notify Eurocopter France | N | | | |
| 3 | | | | | |

| # | Engineering Actions | Reqd | Resp | Notes | Complete |
|---|--|------|-----------|-------|----------|
| 4 | Required Documents/Drawings Under Review | N | <i>MP</i> | | |
| 5 | Update Master Document List (MDL) | N | | | |
| 6 | Update Product Compatability Matrix | N | | | |
| 7 | Create Eurocopter Form (FEE) | N | | | |
| 8 | Notify TC / FAA of Change | N | | | |
| 9 | | | | | |

| # | Document Control Actions | Reqd | Resp | Notes | Complete |
|----|---|------|-----------|-----------------|-----------------|
| 10 | Move Electronic Files/Design Journal | Y | KJ | | <i>12.03.21</i> |
| 11 | Update Product Specification Files | N | | | |
| 12 | Update Approved/Preliminary Dwg PDF Files | Y | KJ | | <i>12.03.21</i> |
| 13 | Update Document Record (DR) | N | | | |
| 14 | Update Product Development Summary | N | | | |
| 15 | Update QSI 021 and/or STC Approval List | N | | | |
| 16 | Update Parts / STC Database | Y | KJ | | <i>12.03.22</i> |
| 17 | Update / Verify ARC Database | Y | KJ | | <i>12.03.22</i> |
| 18 | Create / Update Change Record Form / Item Card Database | Y | KJ | See below. | <i>12.03.22</i> |
| 19 | Create / Update PPP's | Y | KJ | | <i>12.03.22</i> |
| 20 | Red Decals required? | Y | KJ | See below | <i>12.03.22</i> |
| 21 | Update Document Control Database / Laminated Dwgs | Y | KJ | | <i>N/A</i> |
| 22 | Update Grey Project / Electronic Binder PDF Files | N | <i>MP</i> | Add ABR-412-704 | |
| 23 | Update D-Part/M-Drawing/DSI/DEO Master Binders | Y | KJ | | <i>12.03.21</i> |
| 24 | | | | | |

Description / Action:

Update BOM/routing for D412-704-011, D205-704-013, D3205 Rev. B, D3207 Rev. B, D3208 Rev. B, D3257 Rev. B, D4610 Rev. A and D4611 Rev. A

Create BOM/routing for D412-704-015/-141

D412-704-011 @ CHG 002; D205-704-013 @ CHG 002

D412-704-015/-141 @ CHG 001; -015 Red Label required.

Scrap the following parts is stock/current production: D3207-1/-2 per Rev. A, D3208-1/-7/-11 per Rev. A, D3257-1 per Rev. A

D3205-1 Pedal Bracket per Rev. A can be used on D412-704-041 Pedal Assembly Rev. A

D3205-3 Bracket Plate in stock/current production required to re-work per D3205 Rev. B to add the chamfer.

D3207-3 per Rev. A, D3207-5 per Rev. A, D3208-3/-5 per Rev. A, parts ok as is.

Update CNC program for D3257-1 per Rev. B

Build D412-704-015 kit for Eagle ASAP.

MDL/IIN/ICA to released after trial fit of D412-704-015 at Eagle.

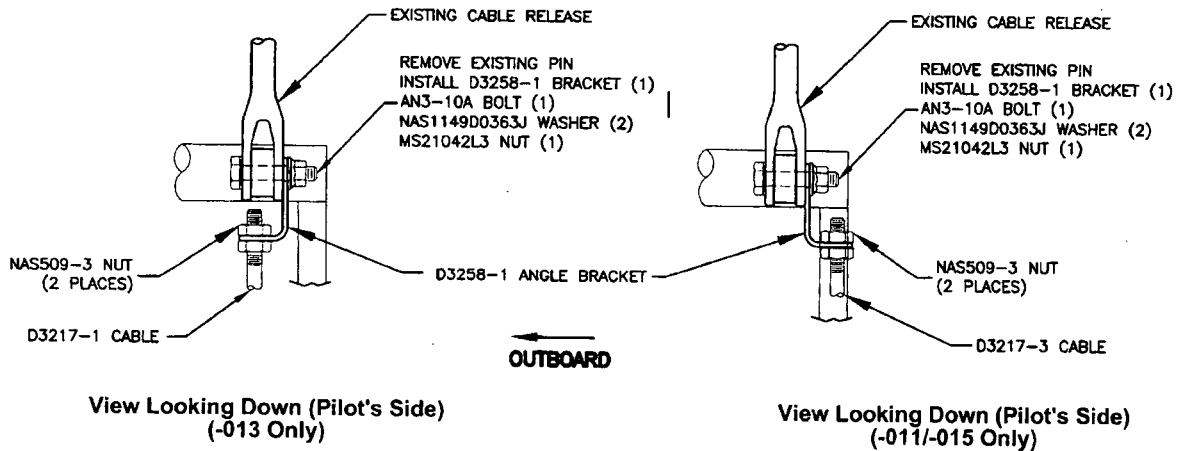
ECN Verified & Complete: *[Signature]*

Date: *12/3/29*

FIGURES CORRECTION

Revise Detail L Figure 5 of IIN-D412-704 and Detail L Figure 25-4 of ICA-D412-704 as follows:

NOW



WAS

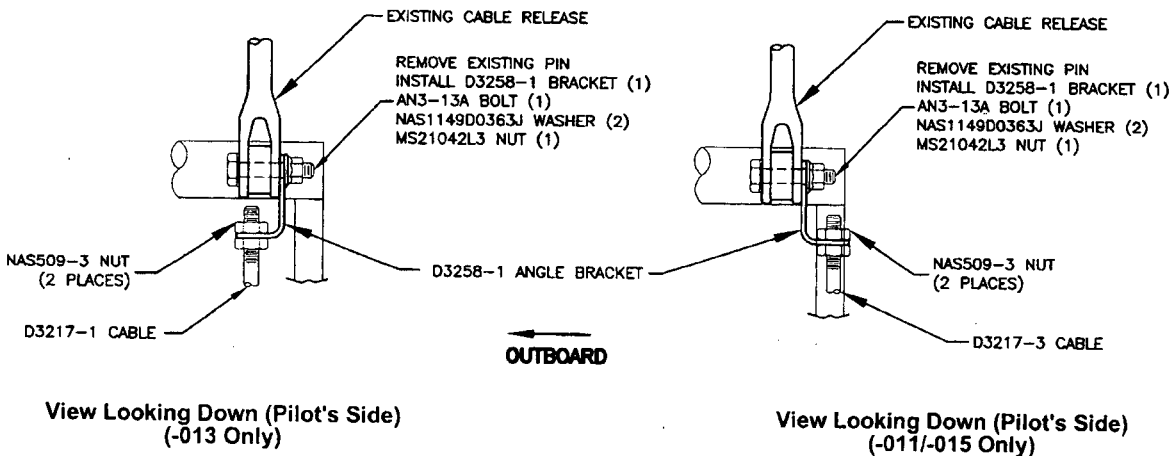


Figure 5 - Detail L or Figure 25-4 - Detail L

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 12.05.07
CERT. NO.: SH93-34
ISSUE NO.: 2

| | | | |
|------------|--------------------|--|--------------|
| DESIGN | RF | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | RF | | |
| CHECKED | <i>[Signature]</i> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9611 | SHEET 2 OF 2 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DE APPR. | <i>[Signature]</i> | PART NUMBER CORRECTION | NTS |
| DATE | 12.05.07 | COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |